

## Converting Metric Units by Moving the Decimal Point

Metric system prefixes:

kilo    hecto    deka    unit    deci    centi    milli

k        h        dk        unit    d        c        m

$$.001\text{km} = .01 \text{ hm} = .1 \text{ dkm} = 1 \text{ m} = 10 \text{ dm} = 100 \text{ cm} = 1000 \text{ mm}$$

→ decimal point moves to the right

← decimal point moves to the left

Ex. 1) How many km in 5.2 cm?

Ex. 2) .004 km = \_\_\_\_\_ cm

Ex. 3) 58 mg = \_\_\_\_\_ kg

Ex. 4) 428 cL = \_\_\_\_\_ mL